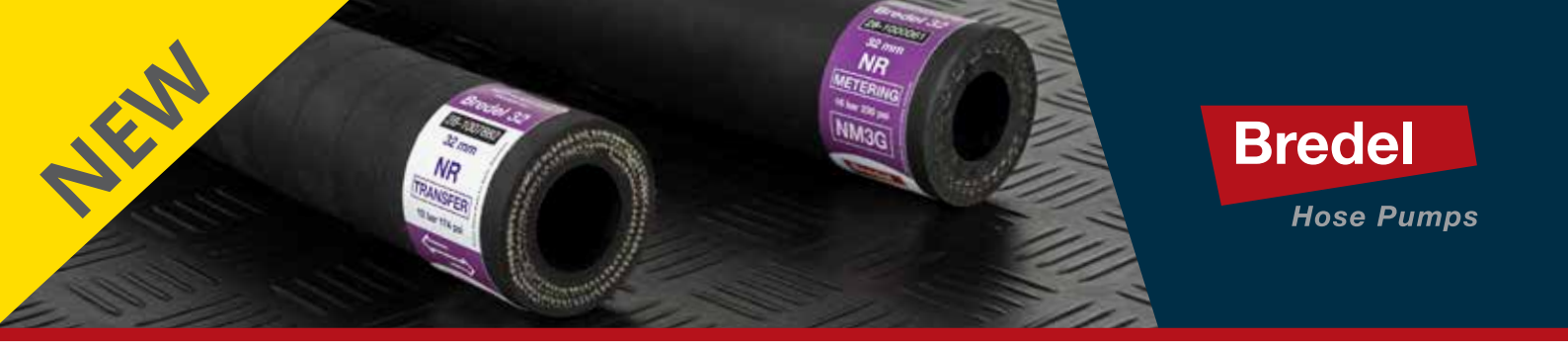


NR hose elements

A choice of NR hose for fluid metering or fluid transfer applications

The NR (Natural Rubber) Transfer hose has been developed to provide exceptionally long hose life. It complements the NR Metering hose which provides high metering accuracy and reliability for heavy-duty applications.

NR hoses from Bredel are manufactured using high quality compounded rubbers and reinforced with individual layers of braided nylon. They are constructed to meet the most rigorous quality control standards. They offer hose pump users exceptional, long-life performance for their fluid transfer or metering applications.

Features and benefits

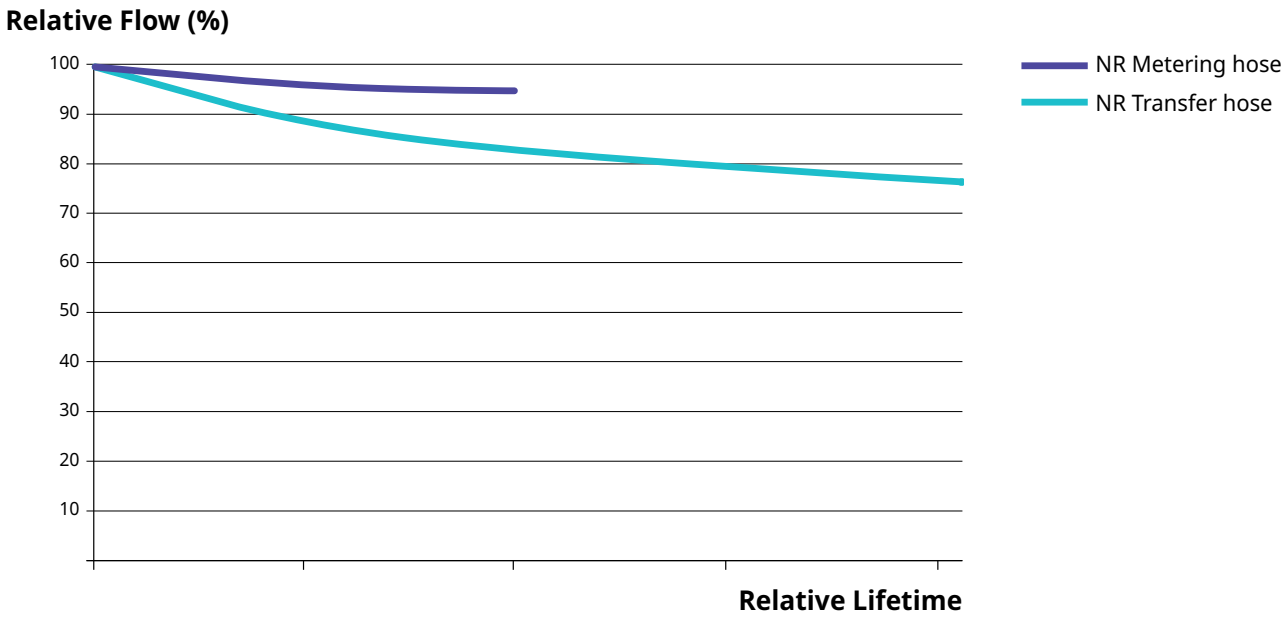
NR Transfer hose

- Maximum service life
- Exceptionally long hose life
- Excellent abrasion resistance
- Manufactured to tight tolerances
- Pressure capability up to 12 bar (174psi)
- Suction capability up to 9 mWC (354 inWC)

NR Metering hose

- High metering accuracy
- Consistent capacity over the full hose life
- Outstanding abrasion resistance from extruded inner layer
- Precision machined
- Pressure capability up to 16 bar (232psi)
- Suction capability up to 9.5 mWC (374 inWC)

Typical flow curves



Typical performance test conditions: pumping water at 18°C (64°F) at 5 bar (73 psi) and 50rpm

NR hose elements

Bredel Hose Pumps

Technical specifications

	NR Transfer hose	NR Metering hose
Max. operating pressure	12 bar (174psi)	16 bar (232psi)
Max. suction capability	9 mWC (354 inWC)	9.5 mWC (374 inWC)
Suction capability (80% Flow rate)	6 mWC (236 inWC)	8 mWC (315 inWC)
Operating temperature range	-20 to 45°C (-4 to 113°F)	
Fluid temperature range	-20 to 80°C (-4 to 176°F)	

Sizes available

NR Transfer hose

Hose	Bore size mm (inch)	Length m (inch)	Weight kg (lb)
20 NR Transfer	20 (0.8)	0.8 (30)	0.6 (1.3)
25 NR Transfer	25 (1.0)	1.0 (40)	1.9 (4.1)
32 NR Transfer	32 (1.3)	1.2 (49)	2.8 (6.2)
40 NR Transfer	40 (1.6)	1.5 (59)	3.6 (7.9)
50 NR Transfer	50 (2.0)	1.8 (73)	6.0 (13.3)
65 NR Transfer	65 (2.6)	2.4 (93)	11.0 (24.2)
80 NR Transfer	80 (3.1)	2.8 (111)	20.0 (44.1)
100 NR Transfer	100 (3.9)	3.3 (130)	30.0 (66.1)

NR Metering hose

Hose	Bore size mm (inch)	Length m (inch)	Weight kg (lb)
10 NR Metering	10 (0.4)	0.5 (20)	0.4 (0.9)
15 NR Metering	15 (0.6)	0.75 (30)	0.8 (1.8)
20 NR Metering	20 (0.8)	0.75 (30)	0.6 (1.3)
25 NR Metering	25 (1.0)	1.0 (40)	2.0 (4.4)
32 NR Metering	32 (1.3)	1.2 (49)	3.0 (6.6)
40 NR Metering	40 (1.6)	1.5 (59)	3.5 (7.7)
50 NR Metering	50 (2.0)	1.8 (73)	6.0 (13.3)
65 NR Metering	65 (2.6)	2.3 (91)	12.0 (26.5)
80 NR Metering	80 (3.1)	2.8 (111)	21.0 (46.3)
100 NR Metering	100 (3.9)	3.3 (130)	30.0 (66.1)

Note:
In order to achieve optimal life of the pump hose, the compression force of the pump hose can be adjusted by placing a number of shims under the pressing shoes. The number of shims will vary for each counterpressure situation and in-between hose types, even if the application is similar. Please refer to the pump user manual for further information.